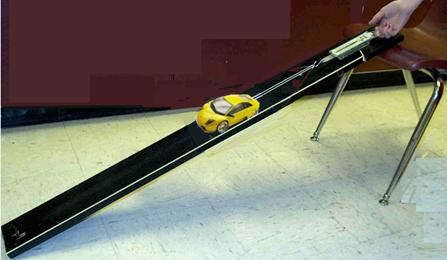
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Car Race Activity Sheet

What will change how far a Matchbox car can travel? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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|  |  |
| --- | --- |
| **Rank the surfaces (1—4)** | |
| Carpet |  |
| Felt |  |
| Plastic |  |
| Sandpaper |  |

On which surface do you think the car will go the shortest distance? (1)

On which surface do you think the car will go the furthest distance? (4)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Carpet | Felt | Plastic | Sandpaper |
| **Trial 1** |  |  |  |  |
| **Trial 2** |  |  |  |  |
| **Trial 3** |  |  |  |  |
| **Average distance** |  |  |  |  |

What do your results tell you?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Circle the correct answer

The greater the amount of friction, the **slower faster** an object moves.

If friction is decreased, it will be **harder easier** to move an object.

What is the effect of friction on how far a Matchbox car rolls? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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